



# EMPIRE LEVELS

*and* **TOOLS**

*Dependable  
Quality*

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**EMPIRE LEVEL MFG.CO.**  
**MILWAUKEE - WIS.**



J9  
600

# THE EMPIRE

## A BETTER LEVEL

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**T**HE aim of this organization is to continue the ideal of our founder and past president, Henry Ziemann, a Master Carpenter and Builder—who won a fine reputation for his excellent craftsmanship. He passed away November 26, 1930, and in memory of his leadership and success in establishing Empire Levels in the minds of the hardware trade as “High Quality Tools,” this new catalogue is dedicated to him. It will serve as an inspiration to the Empire organization to “Build Well”. In no other way can that wonderful reputation, established by Empire Levels throughout the world, be maintained.

It is fortunate that the personnel of the Empire Organization has become imbued with the “Quality Idea”. Henceforth its ideal will be to uphold the good reputation established by its founder. It senses its obligations to him—also, to its many customers who have made its progress possible—and does realize that there is no substitute for quality and an honest policy.

### *A Real Guarantee*

Empire Products are guaranteed free from imperfections of material and defects in workmanship. The most rigid inspection and systematic check is given to both material and workmanship at the various stages of manufacture. Every precaution is taken to guarantee that nothing but absolutely perfect Empire Levels and tools are put on the market. Any defective tool will be repaired or replaced without charge. We cannot, however, assume responsibility for breakage where flaws do not appear, nor can we replace tools which have been abused, stamped with owner's name, or otherwise experimented upon. No dealer is authorized to make replacements for us. Articles claimed defective must be returned, charges prepaid, for our inspection.

### *Good Packages*

To insure our tools reaching the purchaser in perfect condition, they are carefully cleaned and packed in distinctive green paste-board boxes, and then shipped in clean, wood cases.

## ***Labels That Are Easy to Read***

Empire labels are simple, practical, and distinctive in design. Both jobber and dealer will appreciate the size and arrangement of the figures.

## ***Selling Service That Helps***

Empire Levels are backed by our aggressive advertising campaign that creates business for dealers. Convincing advertising in Carpenter's, Brick Mason's and Mechanical Journals is creating customers every day.

The free use of electrotypes for advertising and catalog purposes is extended to all our customers. We have a varied assortment of sizes to choose from, made from either wood cuts or half-tones. Our service also includes advertising folders and leaflets, a window cutout, show cards, window transfers, and a display rack. (See last page of this catalog).

## ***Shipping Instructions***

In ordering please give full and explicit directions for shipment, and they will be carefully followed. If no shipping instructions are given we will use our best judgment in forwarding shipment. All goods are sent at risk of purchaser after we have delivered the articles in good order to the forwarders.

## ***Changes***

We are often asked to make slight changes in the design or finish of some particular tool. In most cases it is absolutely impossible for us to do this. Changes, however slight, necessitate special work. Empire Levels are made under a highly organized and well regulated manufacturing process which enables us to produce the highest possible quality of merchandise at competitive prices. Any deviations from the routine would have a decided reaction on production costs and would reflect on the low prices which we endeavor to maintain at all times.

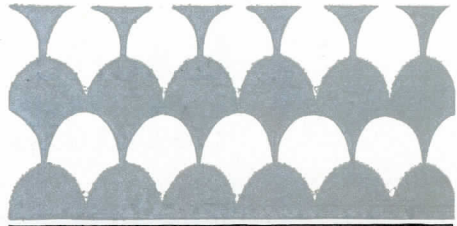
# **EMPIRE LEVEL MFG. CO.**

717 So. Sixth Street

MILWAUKEE, WISCONSIN, U. S. A.

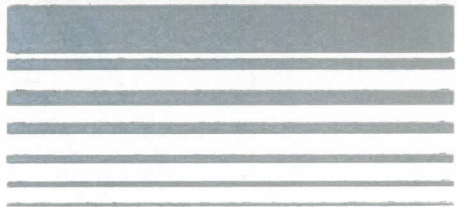
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Cable address: EMPIRLEVEL



# ALUMINUM LEVELS

FOR THE  
MILLWRIGHT  
CARPENTER  
PLASTERER  
AND  
MASON



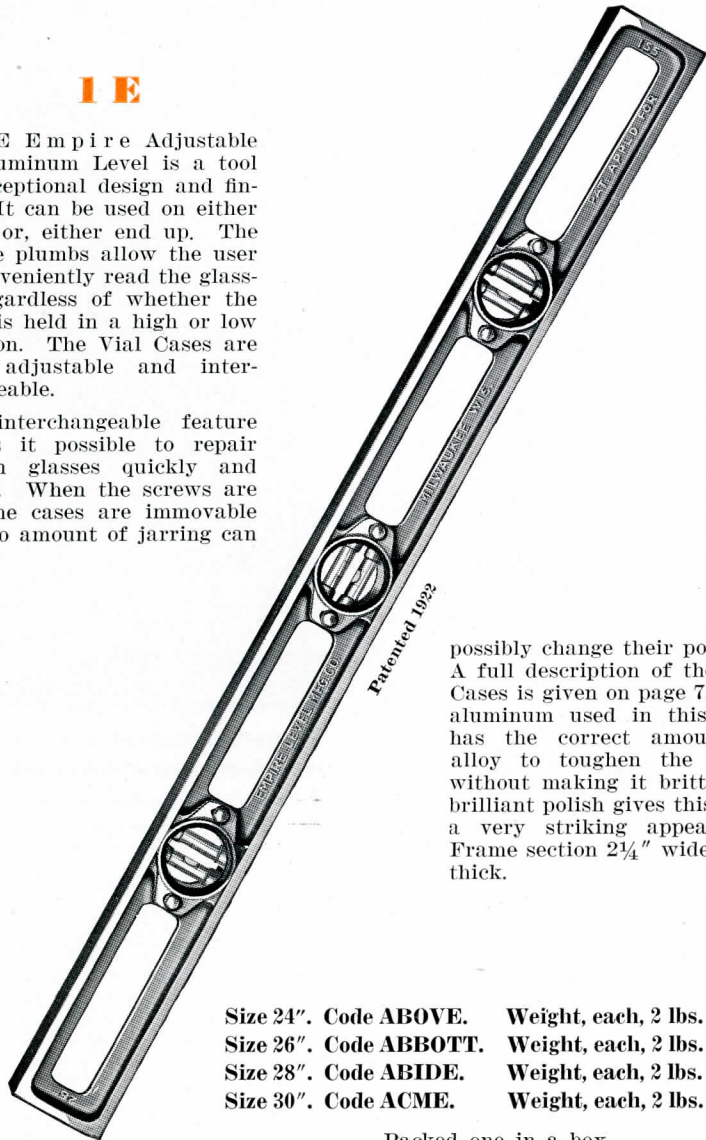
# Empire Adjustable Aluminum Level

*With Interchangeable Vial Cases*

## THE

THE Empire Adjustable Aluminum Level is a tool of exceptional design and finish. It can be used on either edge, or, either end up. The double plumbs allow the user to conveniently read the glasses regardless of whether the level is held in a high or low position. The Vial Cases are both adjustable and interchangeable.

The interchangeable feature makes it possible to repair broken glasses quickly and easily. When the screws are set, the cases are immovable and no amount of jarring can



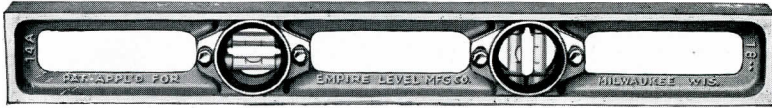
possibly change their position. A full description of the Vial Cases is given on page 7. The aluminum used in this level has the correct amount of alloy to toughen the metal without making it brittle. A brilliant polish gives this level a very striking appearance. Frame section  $2\frac{1}{4}$ " wide,  $1\frac{3}{8}$ " thick.

|                        |                             |
|------------------------|-----------------------------|
| Size 24". Code ABOVE.  | Weight, each, 2 lbs. 4 oz.  |
| Size 26". Code ABBOTT. | Weight, each, 2 lbs. 6 oz.  |
| Size 28". Code ABIDE.  | Weight, each, 2 lbs. 10 oz. |
| Size 30". Code ACME.   | Weight, each, 2 lbs. 12 oz. |

Packed one in a box.

# Empire Adjustable Aluminum Level

*With Interchangeable Vial Cases*



Patented 1922

**2 E**

**T**HE Empire Four Glass Adjustable Level is the same in principle as the Six Glass. Its construction differs only in that it has two sights instead of three. Its Vial Cases are the same size, however, and can be used in any other Empire Adjustable Aluminum Level. The construction principle of this, as well as all other Empire Aluminum Levels, is such that extreme sturdiness is combined with surprisingly light weight. Has two level and two plumb glasses. Polished edges, satin finished sides. Frame section  $2\frac{1}{4}$ " wide,  $1\frac{3}{32}$ " thick.

Size 18". Code AIMIE. Weight, 1 lb. 11 ozs.

Packed one in a box.

# Empire Adjustable Aluminum Shaft Level

(Millwright's)

*With Interchangeable Vial Cases*



Patented 1922

**20 E**

**T**HIS level is especially constructed for the machinist and millwright. One of the leveling surfaces is flat, while the other has a V groove to provide an absolutely true and reliable seat for leveling shafting. This level is fitted with adjustable Vial Cases — an extremely handy feature in the class of work for which this tool is designed. It has four glasses, two of which are levels and two plumbs. Is finished in the brilliant polish characteristic of all Empire Aluminum Levels. Frame section  $2\frac{1}{4}$ " wide,  $1\frac{3}{32}$ " thick.

Size 12". Code MATE. Weight, 1 lb. 6 ozs.

Size 18". Code MALLE. Weight, 1 lb. 11 ozs.

Packed one in a box.

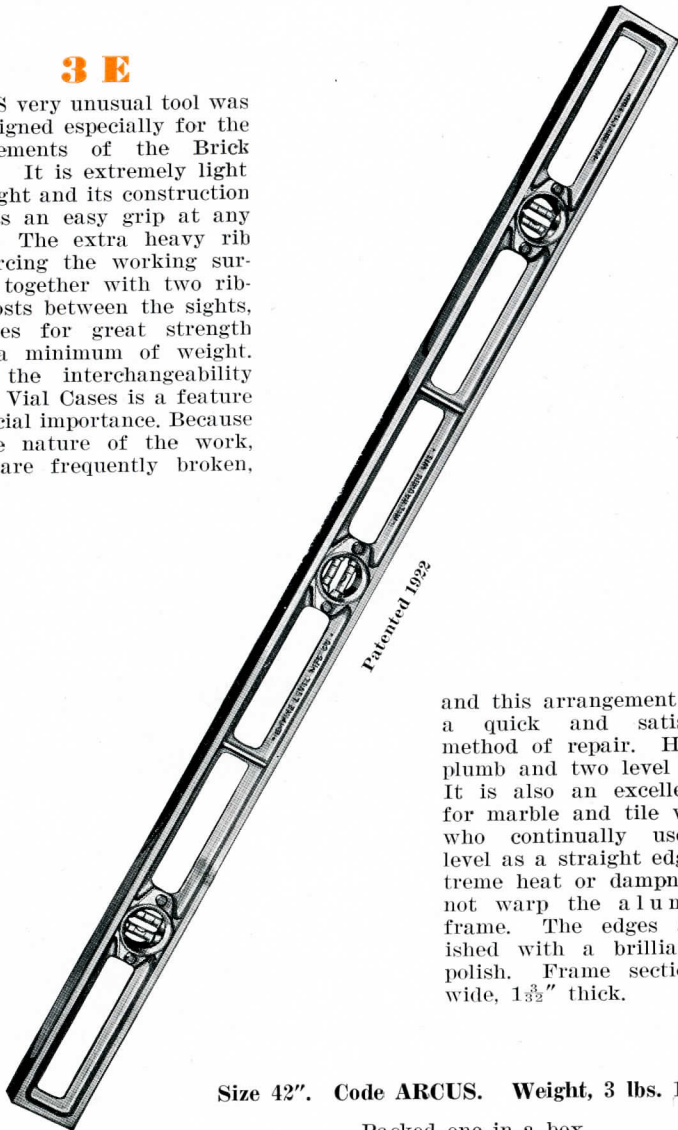
*for extreme accuracy*

# Empire Adjustable Aluminum Mason's Level

*With Interchangeable Vial Cases*

## 3 E

**T**HIS very unusual tool was designed especially for the requirements of the Brick Mason. It is extremely light in weight and its construction permits an easy grip at any point. The extra heavy rib reinforcing the working surfaces, together with two ribbed posts between the sights, provides for great strength with a minimum of weight. Here the interchangeability of the Vial Cases is a feature of special importance. Because of the nature of the work, vials are frequently broken,



and this arrangement affords a quick and satisfactory method of repair. Has four plumb and two level glasses. It is also an excellent tool for marble and tile workers, who continually use their level as a straight edge. Extreme heat or dampness will not warp the aluminum frame. The edges are finished with a brilliant high polish. Frame section  $2\frac{5}{16}$ " wide,  $1\frac{3}{8}$ " thick.

Size 42". Code ARCUS. Weight, 3 lbs. 13 ozs.

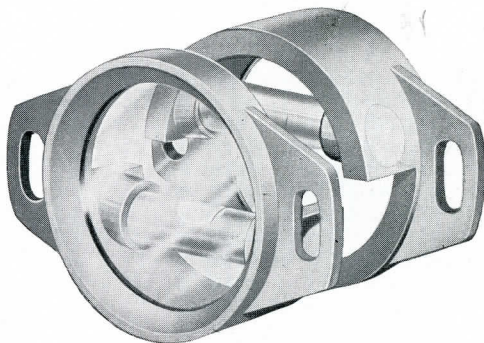
Packed one in a box.

# Empire Interchangeable Vial Cases

*For Empire Adjustable Aluminum Levels*

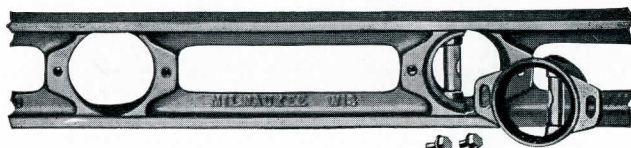
**THE** Interchangeable Vial Case affords an easy and quick means of repairing broken level glasses.

Each Vial Case is constructed in the form of a cylinder having a segmental projection containing the level or plumb glass. When two of these cases are set together, they interlock, allowing two glasses to be mounted in the same opening. This makes it possible to adjust or remove either glass independent of the other. The outer rim of each section supports a heavy Cover Glass, held in place by cement and an aluminum ring, which seals the complete unit from dust and moisture. The position of bubble is indicated by two heavy, etched, black marks.



The illustration above shows the two halves of a complete vial case. In the illustration below a portion of a level is shown. On the left, both cases have been removed, and on the right, one of the vial cases has been removed while the other remains in the level. This demonstrates how it is possible to make adjustments on one glass independent of the other.

All cases are machined and ground to standard size, and any vial case may be reversed or interchanged with any other case in the level. When the two cases are interlocked securely, they form a symmetrical unit of double level, or plumb glasses that are absolutely dust proof and immovable.



Patented 1922

Two cases comprise a complete unit.

## WITH PLAIN VIAL

No. 6E—One-half unit—For Levels. Code ATLAS. Weight, each, 1½ ozs.  
No. 7E—One-half unit—For Plumbs. Code AGNON. Weight, each, 1½ ozs.

## WITH GROUND VIAL

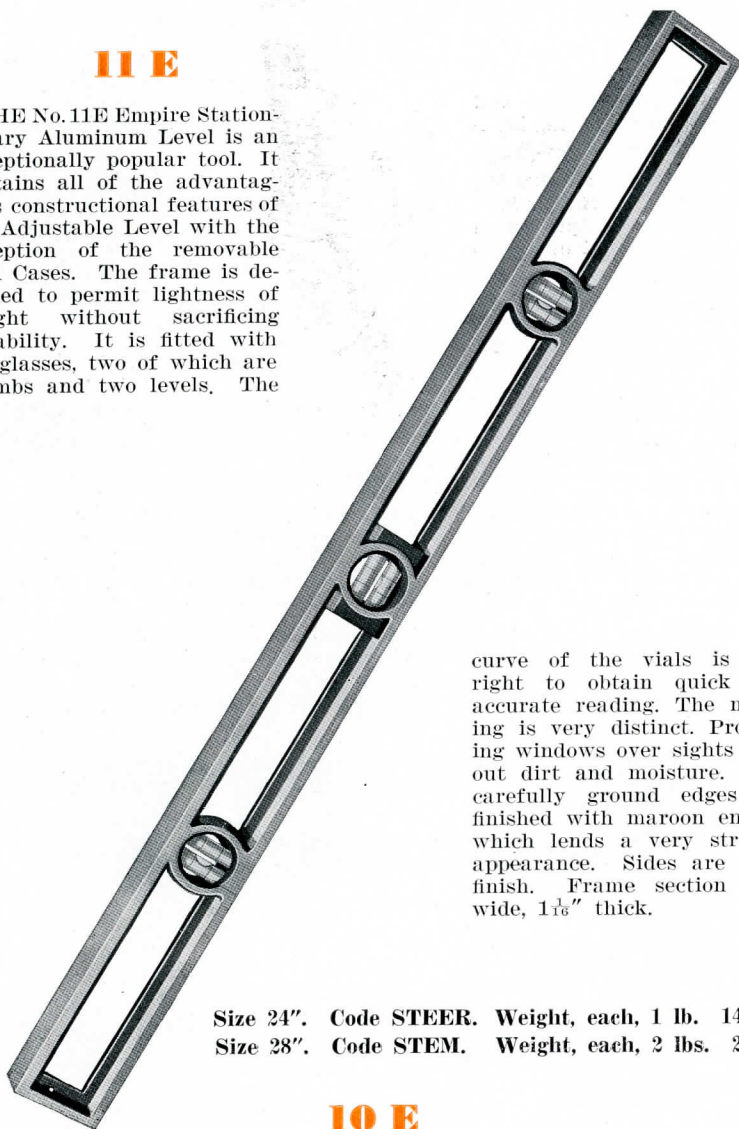
No. 16E—One-half unit—For Levels. Code AGAT. Weight, each, 1½ ozs.  
No. 17E—One-half unit—For Plumbs. Code APINE. Weight, each, 1½ ozs.

Packed one in a box.

## Empire Stationary Aluminum Level

### 11 E

**T**HE No. 11E Empire Stationary Aluminum Level is an exceptionally popular tool. It contains all of the advantageous constructional features of the Adjustable Level with the exception of the removable Vial Cases. The frame is designed to permit lightness of weight without sacrificing durability. It is fitted with six glasses, two of which are plumbs and two levels. The



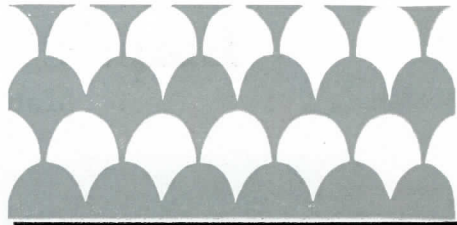
curve of the vials is just right to obtain quick and accurate reading. The marking is very distinct. Protecting windows over sights keep out dirt and moisture. The carefully ground edges are finished with maroon enamel which lends a very striking appearance. Sides are satin finish. Frame section  $2\frac{1}{4}$ " wide,  $1\frac{1}{8}$ " thick.

Size 24". Code STEER. Weight, each, 1 lb. 14 ozs.  
Size 28". Code STEM. Weight, each, 2 lbs. 2 ozs.

### 10 E

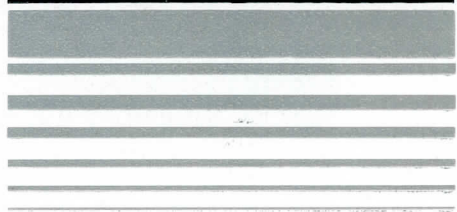
Same as above but with 2 plumbs, one on each end.  
Size 18". Code STAMP. Weight, each, 1 lb. 9 ozs.

Above levels packed one in a box.



# WOOD LEVELS

FOR THE  
CARPENTER  
PLASTERER  
AND  
HOME  
WORK SHOP



## Empire Top Level

Mahogany



### 66 E

**T**HIS level has one plumb and one Level Glass. The wood is Mexican Mahogany, finished natural with water proof varnish. Metal Trimmings are of Aluminum, and the plumb sight is finished white to assure clear vision. The proved vials are as sensitive as those used in our aluminum levels. The 18" to 28" lengths are supplied with finger grips. This level is light in weight and convenient to handle. It is a high grade tool in every respect. Frame section  $2\frac{3}{8}$ " wide,  $1\frac{1}{8}$ " thick.

|           |           |                     |         |
|-----------|-----------|---------------------|---------|
| Size 12". | Code NIB. | Weight, each,       | 10 ozs. |
| Size 16". | Code NET. | Weight, each,       | 12 ozs. |
| Size 18". | Code NAP  | Weight, each,       | 14 ozs. |
| Size 24". | Code NON  | Weight, each, 1 lb. | 4 ozs.  |
| Size 26". | Code NIN  | Weight, each, 1 lb. | 6 ozs.  |
| Size 28". | Code NAY. | Weight, each, 1 lb. | 8 ozs.  |

Packed three in a box.

## Empire Utility Level

White Pine



### 39 E

**T**HIS is an extremely handy tool with a wide range of usefulness. It is inexpensive, but it has the same accuracy which is a feature of all Empire Levels. It is made of selected, aged White Pine. Is light in weight, yet sturdy of construction. It has a plumb and a level glass. Heavy protecting glasses, hermetically sealed into the frame, keep dust and moisture from the vials thus permitting distinct reading at all times. Carefully finished with maroon enamel. Frame section  $2\frac{3}{8}$ " wide,  $1\frac{1}{8}$ " thick.

|           |             |                     |         |
|-----------|-------------|---------------------|---------|
| Size 18". | Code TRADE. | Weight, each,       | 13 ozs. |
| Size 24". | Code TOSS.  | Weight, each, 1 lb. | 2 ozs.  |
| Size 26". | Code TRAIN. | Weight, each, 1 lb. | 3 ozs.  |
| Size 28". | Code TIGHT. | Weight, each, 1 lb. | 4 ozs.  |

Packed three in a box.

## Empire Carpenter's Level

### Four Glass



#### 47 E Black Walnut

#### 38 E White Pine

THESE are very popular Empire wood levels, as they are convenient, sturdy, and light in weight. They are fitted with two level and two plumb glasses. The vial glasses are set solid and carefully marked. The sight openings are painted white and covered with protecting glasses. The Black Walnut Level has rubbed varnish finish with aluminum trim around the sights. The Pine Level is finished with a dark maroon enamel. Frame section  $2\frac{3}{8}$ " wide,  $1\frac{1}{8}$ " thick.

|                    |             |                     |         |
|--------------------|-------------|---------------------|---------|
| No. 38 E—Size 18". | Code GIPE.  | Weight, each,       | 13 ozs. |
| Size 24".          | Code GORE.  | Weight, each, 1 lb. | 2 ozs.  |
| Size 26".          | Code GANG.  | Weight, each, 1 lb. | 3 ozs.  |
| Size 28".          | Code GIST.  | Weight, each, 1 lb. | 4 ozs.  |
| No. 47 E—Size 18". | Code FACID. | Weight, each, 1 lb. | 2 ozs.  |
| Size 24".          | Code FLOW.  | Weight, each, 1 lb. | 8 ozs.  |
| Size 26".          | Code FAME.  | Weight, each, 1 lb. | 10 ozs. |
| Size 28".          | Code FRESH. | Weight, each, 1 lb. | 12 ozs. |
| Size 30".          | Code FELIX. | Weight, each, 1 lb. | 14 ozs. |

Above packed one in a box.

## Empire Carpenter's Level

### Aluminum Bound



#### 60 E

THIS Empire Level fills the demand of the carpenter who wants a substantial wood level that is convenient and light in weight. It has four plumbs and two levels set in oblong sights which are painted white and sealed from dust and dirt by cover glasses. The vials are accurately marked with two black marks and the curve of the glass is just enough to make the bubble quick-acting without sacrificing sensitive action. The wood used is Honduras Mahogany and it is finished natural. The metal used in the binding and end plates is a special aluminum alloy.

Made only in one size, 24" long.

$2\frac{1}{4}$ " wide,  $1\frac{1}{16}$ " thick. Code JACK. Weight, each, 1 lb. 7 ozs.

## Empire Brick Mason's 45° Level

Walnut



**36 E**

**T**HIS is a very handy level for the Brick or Stone Mason who must very often set work at 45°. It is short enough to fit the mason's hand bag. One regular plumb and two regular level glasses are also available for regular work. The wood used is Walnut, finished natural. The standard Empire clear vision, dust proof sight is a feature of this tool. Vials are carefully marked. Frame section 2¼" wide, 1⅛" thick.

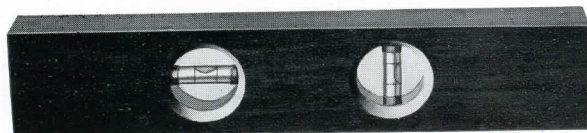
Size 12". Code WINER. Weight, each, 11 ozs.

Size 15". Code WATER. Weight, each, 15 ozs.

Size 18". Code WESEX. Weight, each, 18 ozs.

Packed three in a box.

## Empire Black Walnut "Handee" Level



**46 E**

**A** VERY popular tool, is 12 inches long, and contains two glasses — a plumb and a level. It is made of selected Black Walnut lumber, light in weight, and of construction which permits convenient handling.

The level is very striking in appearance, being finished natural. The finish is rubbed to give it a rich effect entirely in keeping with its high quality and accuracy. Protecting glasses are held in position by polished aluminum rings. Frame Section 2⅝" wide, 1⅛" thick.

Size 12". Code FRAME. Weight, each, 11 ozs.

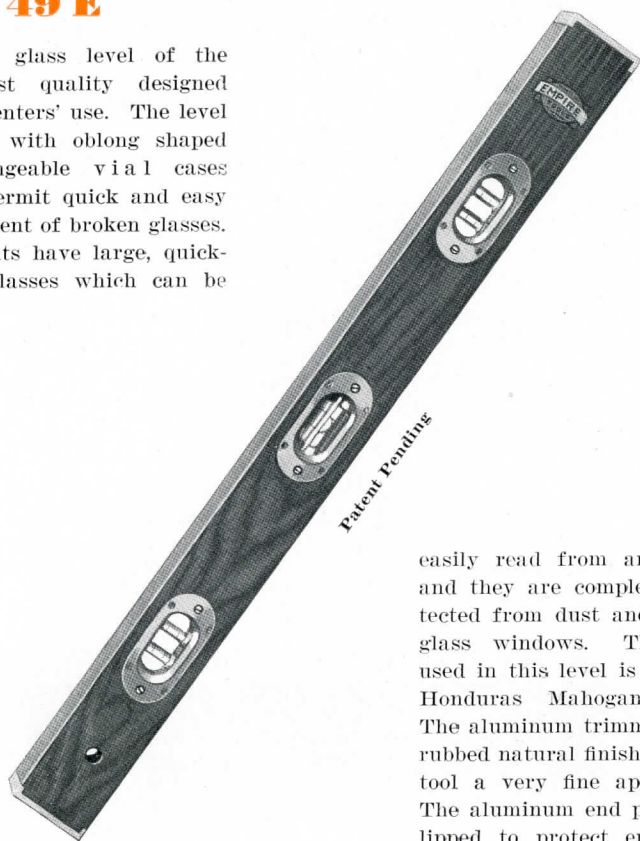
Packed three in a box.

# Empire Mahogany Level

*With Interchangeable Vial Cases*

## 49 E

**A** SIX glass level of the highest quality designed for carpenters' use. The level is fitted with oblong shaped interchangeable vial cases which permit quick and easy replacement of broken glasses. The sights have large, quick-acting glasses which can be



easily read from any angle, and they are completely protected from dust and dirt by glass windows. The wood used in this level is seasoned Honduras Mahogany stock. The aluminum trimmings and rubbed natural finish give this tool a very fine appearance. The aluminum end plates are lipped to protect ends from excessive wear. Frame section  $2\frac{3}{8}$ " wide,  $1\frac{1}{8}$ " thick.

|           |            |                             |
|-----------|------------|-----------------------------|
| Size 24". | Code WALL. | Weight, each, 1 lb. 10 ozs. |
| Size 26". | Code WISH. | Weight, each, 1 lb. 12 ozs. |
| Size 28". | Code WELL. | Weight, each, 1 lb. 14 ozs. |
| Size 30". | Code WETT. | Weight, each, 2 lbs.        |

Packed one in a box.

## Empire Interchangeable Vial Cases For Empire Wood Levels

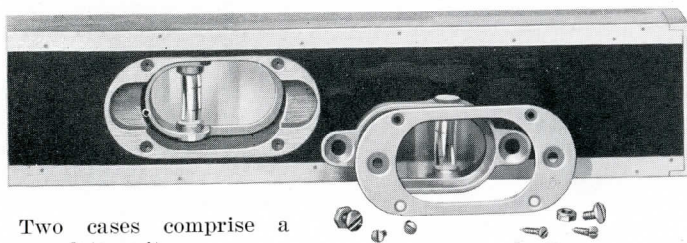
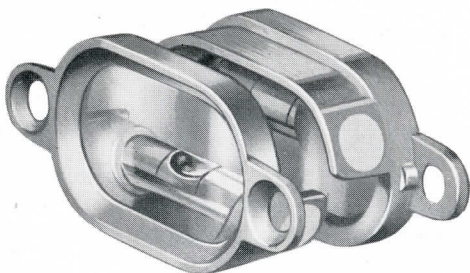
**T**HIS case is oblong in shape,

but its construction is the same as the vial case for aluminum levels, thus, allowing independent adjustment of each glass. The vials are made of extra heavy special formula glass carefully crowned to insure sensitive action. The marks instead of being painted on by hand, are permanently ground into the glass by precision machinery that accurately places the mark on the top of the crown. The aluminum die cast vial case with accurate cores

positively fixes the position of the vial parallel to the sides of the frame, thus contributing further to extreme accuracy. Vial marks and parallel position of vials demand precision which cannot be consistently maintained by setting vials solid in frame by hand methods.

The cut below shows one case in place, with the other case and component parts disarranged. The case proper is fastened to a substantial aluminum plate by two bolts and nuts. The small lug on vial case next to slot prevents nut from turning. Level frame is so mortised to receive this plate without play. Four wood screws hold plate immovable as the four plate anchors, which also provide counter-sinks for the wood screws, press plate firmly in the wood. Adjustment is obtained by loosening the slotted bolts slightly and shifting case, which has just enough play in its slots to make proper adjustment. To remove a case it is only necessary to remove the four wood screws. All parts are nickel plated, brass or aluminum.

Exhaustive tests have proven this construction to hold glass immovable, regardless of rough handling. The adjustment is simple and convenient when it is necessary to replace broken vials. Owner can easily recondition his level when edges wear out because it is an easy matter to adjust glasses after re-planing the edges. These cases can be supplied with ground vials when very sensitive action is desired.



Two cases comprise a complete unit.

Patent Pending

### WITH PLAIN VIAL

No. 8E—One-half unit—For Levels. Weight, each,  $1\frac{1}{2}$  ozs. Code CALL.

No. 9E—One-half unit—For Plumbs. Weight, each,  $1\frac{1}{2}$  ozs. Code CANE

### WITH GROUND VIAL

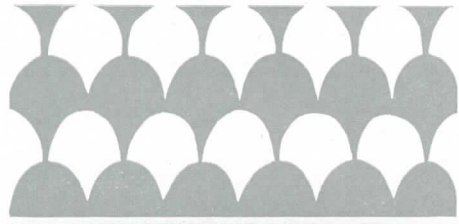
No. 18E—One-half unit—For Levels. Weight, each,  $1\frac{1}{2}$  ozs. Code CAM.

No. 19E—One-half unit—For Plumbs. Weight, each,  $1\frac{1}{2}$  ozs. Code CUZ.

(Protecting plate and screws are not included with case)

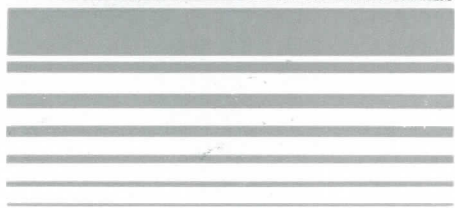
Cases are packed one in a box.

No. 180E—Protecting Plate, Bolts and Screws. Code CAD.



# WOOD LEVELS

FOR THE  
MASON  
BRICKLAYER  
TILE SETTER  
AND  
MARBLE WORKER



*for extreme accuracy*

# Empire Mason's Level

*With Interchangeable Vial Cases*

(Aluminum Bound)

**53 E**  
**White Pine**

**56 E**  
**Honduras Mahogany**

**T**HIS level is very light for a bound level. Its construction incorporates the use of the Empire Interchangeable Vial case used in our most popular numbers. The sights and finger grips have been



placed so as to provide the most convenient position, with proper balance. The aluminum binding has sufficient alloy to give it the proper hardness and strength and the end plates are lipped to reduce wear at this particular part of the level. The Mahogany is finished natural while the Pine level is finished maroon with gray finger grips. A final coat of water proof varnish is applied to wood frame and binding. Frame section  $2\frac{3}{8}$ " wide,  $1\frac{1}{8}$ " thick.

|           |             |                              |
|-----------|-------------|------------------------------|
| 53 E—42". | Code KERN.  | Weight, each, 2 lbs. 6 ozs.  |
| 48".      | Code KNIT.  | Weight, each, 2 lbs. 12 ozs. |
| 56 E—42". | Code KADIL. | Weight, each, 2 lbs. 10 ozs. |
| 48".      | Code KATER. | Weight, each, 3 lbs.         |

Packed one in a box.

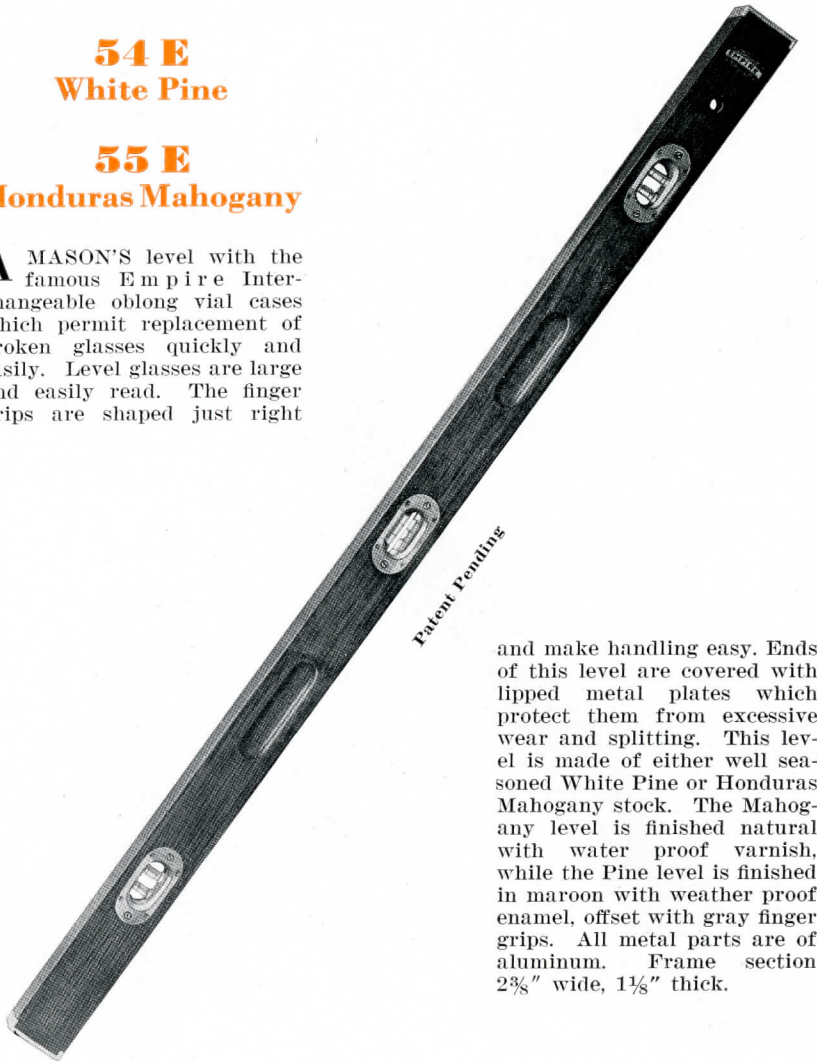
# Empire Mason's Level

*With Interchangeable Vial Cases*

**54 E**  
**White Pine**

**55 E**  
**Honduras Mahogany**

A MASON'S level with the famous Empire Interchangeable oblong vial cases which permit replacement of broken glasses quickly and easily. Level glasses are large and easily read. The finger grips are shaped just right



and make handling easy. Ends of this level are covered with lipped metal plates which protect them from excessive wear and splitting. This level is made of either well seasoned White Pine or Honduras Mahogany stock. The Mahogany level is finished natural with water proof varnish, while the Pine level is finished in maroon with weather proof enamel, offset with gray finger grips. All metal parts are of aluminum. Frame section  $2\frac{3}{8}$ " wide,  $1\frac{1}{8}$ " thick.

- |                |             |                              |
|----------------|-------------|------------------------------|
| 54 E—Size 42". | Code PLATE. | Weight, each, 2 lbs. 4 ozs.  |
| Size 48".      | Code POLET. | Weight, each, 2 lbs. 8 ozs.  |
| 55 E—Size 42". | Code SAMIE. | Weight, each, 2 lbs. 8 ozs.  |
| Size 48".      | Code SAPOS. | Weight, each, 2 lbs. 12 ozs. |

Packed one in a box.

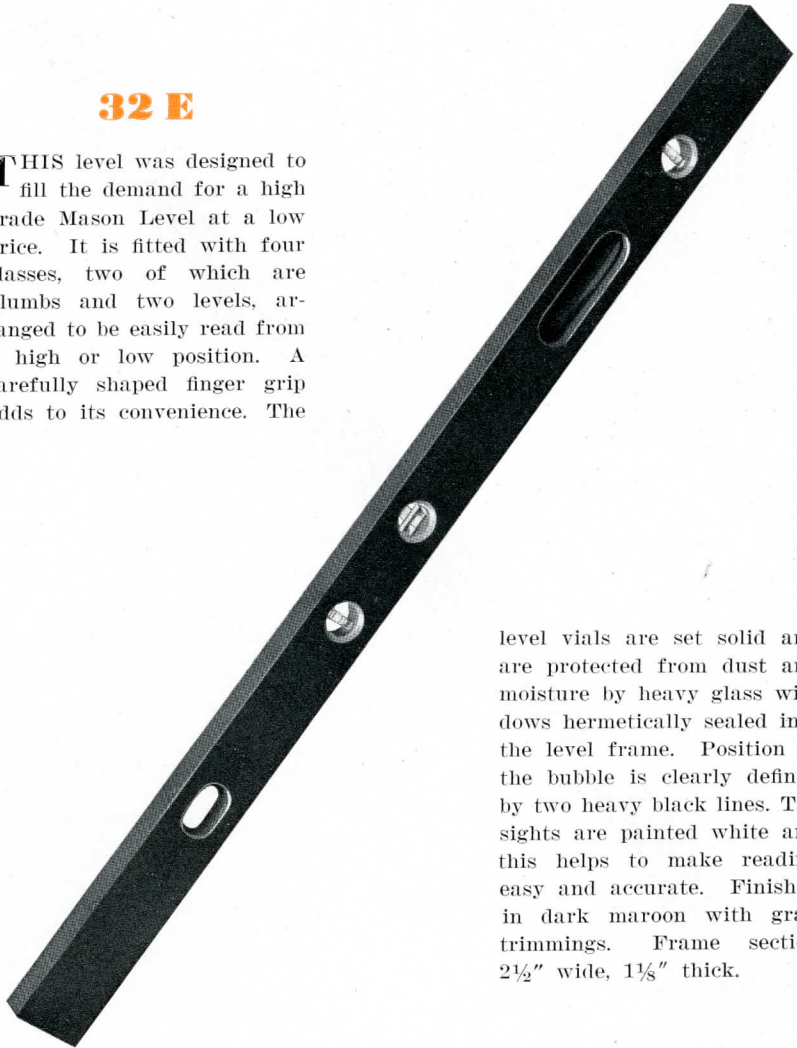
*for extreme accuracy*

# Empire Brick Mason's Level

White Pine

## 32 E

**T**HIS level was designed to fill the demand for a high grade Mason Level at a low price. It is fitted with four glasses, two of which are plumbs and two levels, arranged to be easily read from a high or low position. A carefully shaped finger grip adds to its convenience. The



level vials are set solid and are protected from dust and moisture by heavy glass windows hermetically sealed into the level frame. Position of the bubble is clearly defined by two heavy black lines. The sights are painted white and this helps to make reading easy and accurate. Finished in dark maroon with gray trimmings. Frame section  $2\frac{1}{2}$ " wide,  $1\frac{1}{8}$ " thick.

Size 42". Code **BOGUS**. Weight, each, 1 lb. 12 ozs.

Size 48". Code **BRADE**. Weight, each, 2 lbs.

Packed one in a box.

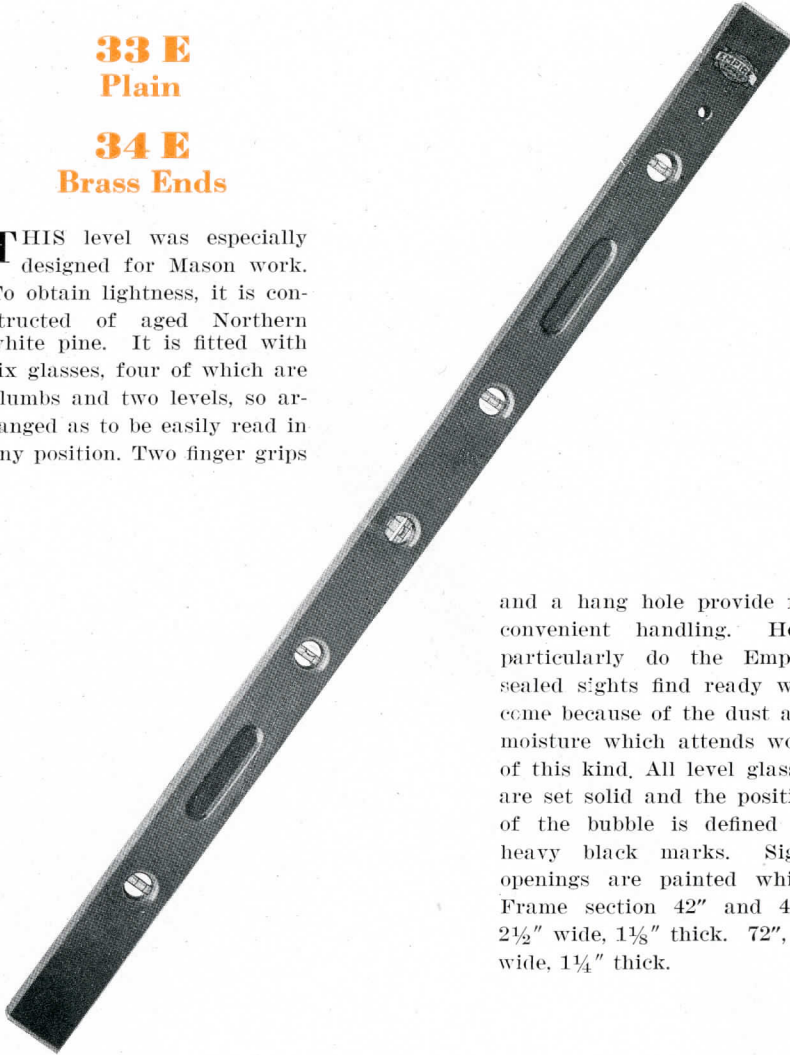
# Empire Brick Mason's Level

White Pine

**33 E**  
Plain

**34 E**  
Brass Ends

**T**HIS level was especially designed for Mason work. To obtain lightness, it is constructed of aged Northern white pine. It is fitted with six glasses, four of which are plumbs and two levels, so arranged as to be easily read in any position. Two finger grips



and a hang hole provide for convenient handling. Here particularly do the Empire sealed sights find ready welcome because of the dust and moisture which attends work of this kind. All level glasses are set solid and the position of the bubble is defined by heavy black marks. Sight openings are painted white. Frame section 42" and 48", 2½" wide, 1⅛" thick. 72", 3" wide, 1¼" thick.

|                    |            |                              |
|--------------------|------------|------------------------------|
| No. 33 E—Size 42". | Code TIME. | Weight, each, 1 lb. 12 ozs.  |
| Size 48".          | Code TIDE. | Weight, each, 2 lbs. 0 ozs.  |
| Size 72".          | Code TEEK. | Weight, each, 3 lbs. 12 ozs. |
| No. 34 E—Size 42". | Code TAPE. | Weight, each, 1 lb. 13 ozs.  |
| Size 48".          | Code TUBE. | Weight, each, 2 lbs. 1 ozs.  |

Packed one in a box.

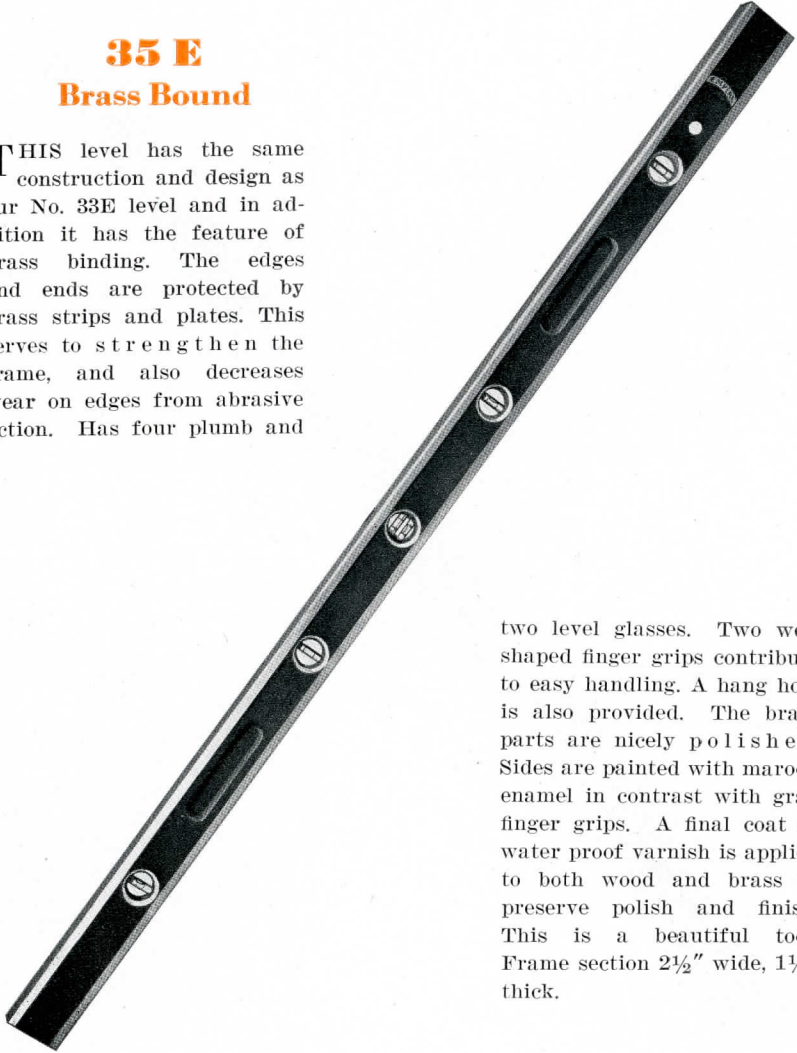
*for extreme accuracy*

# Empire Brick Mason's Level

White Pine

## **35 E** **Brass Bound**

**T**HIS level has the same construction and design as our No. 33E level and in addition it has the feature of brass binding. The edges and ends are protected by brass strips and plates. This serves to strengthen the frame, and also decreases wear on edges from abrasive action. Has four plumb and



two level glasses. Two well shaped finger grips contribute to easy handling. A hang hole is also provided. The brass parts are nicely polished. Sides are painted with maroon enamel in contrast with gray finger grips. A final coat of water proof varnish is applied to both wood and brass to preserve polish and finish. This is a beautiful tool. Frame section  $2\frac{1}{2}$ " wide,  $1\frac{1}{8}$ " thick.

Size 42". Code TAKEE. Weight, each, 2 lbs. 11 ozs.

Size 48". Code TAMER. Weight, each, 3 lbs. 0 ozs.

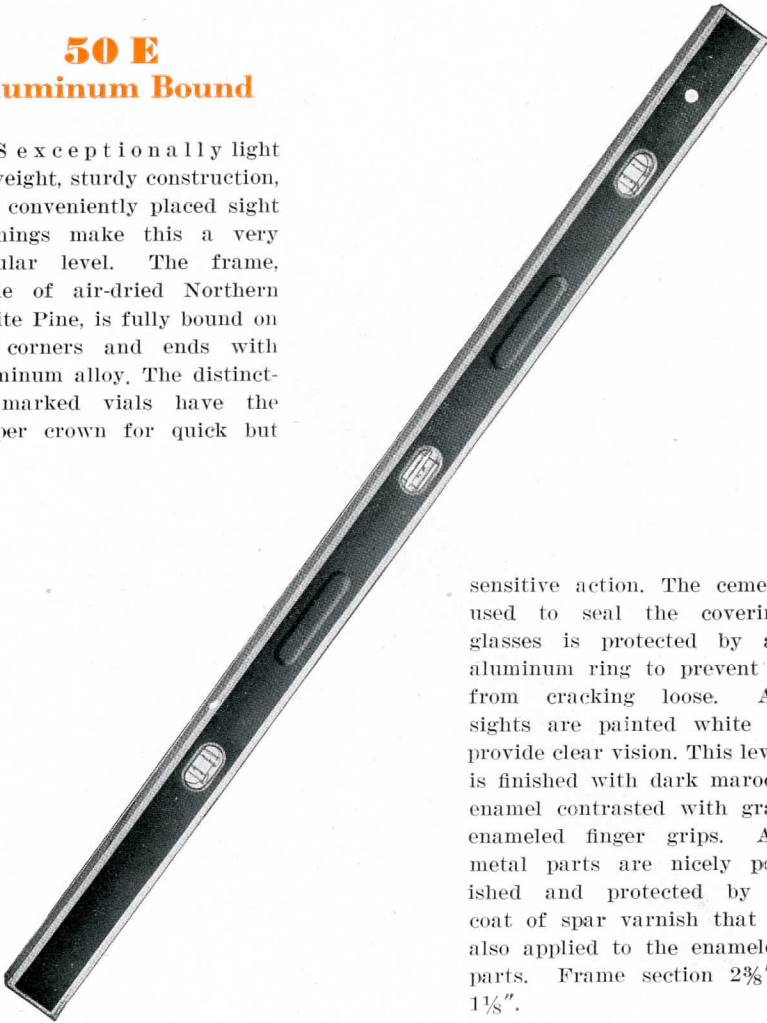
Packed one in a box.

# Empire Brick Mason's Level

White Pine

## **50 E** **Aluminum Bound**

**I**TS exceptionally light weight, sturdy construction, and conveniently placed sight openings make this a very popular level. The frame, made of air-dried Northern White Pine, is fully bound on all corners and ends with aluminum alloy. The distinctly marked vials have the proper crown for quick but



sensitive action. The cement used to seal the covering glasses is protected by an aluminum ring to prevent it from cracking loose. All sights are painted white to provide clear vision. This level is finished with dark maroon enamel contrasted with gray enameled finger grips. All metal parts are nicely polished and protected by a coat of spar varnish that is also applied to the enameled parts. Frame section  $2\frac{3}{8}'' \times 1\frac{1}{8}''$ .

Size 42". Code YAKID. Weight, each, 2 lbs. 4 ozs.

Size 48". Code YAKOF. Weight, each, 2 lbs. 8 ozs.

Packed one in a box.

# Empire Brick Mason's Level

White Pine

**51 E**  
**Plain**

**52 E**  
**Aluminum**  
**End Plates**

A VERY popular three sight, six glass level made of Northern White Pine with or without end plates. The vials are set solid in the level frame and the oblong sights, which are painted white for clear



vision, are protected from dust and dirt by heavy cover glasses. The vials have the right curve to obtain a quick acting bubble without sacrificing sensitive action. The end plates used on these levels are lipped, increasing their effectiveness. The cement used to seal the covering glasses in place is covered by an aluminum ring to prevent it from cracking loose. The finish of this level is maroon with the distinctive Empire gray finger grip. Frame section  $2\frac{3}{8}$ " wide,  $1\frac{1}{8}$ " thick.

51 E—42". Code CAPIS. Weight, each, 1 lb. 10 ozs.  
48". Code CASON. Weight, each, 1 lb. 14 ozs.

52 E—42". Code KNOLL. Weight, each, 1 lb. 11 ozs.  
48". Code KINOB. Weight, each, 1 lb. 15 ozs.

Packed one in a box.

# Empire Brick Mason's Level

Mahogany

**58 E**  
**Plain**

**59 E**  
**Aluminum**  
**End Plates**

**T**HIS Mahogany level has the same design as level shown on opposite page. The Mahogany wood increases its resistance to withstand abrasive action. The carefully de-



signed oblong sights provide exceptionally easy reading, and the two finger grips and hang-hole add to the ease of handling. The aluminum trim around the edges of the sights adds materially to the appearance, and further it protects the sealing putty from cracking and working loose. Finish is natural with a final coat of water proof varnish. Frame section  $2\frac{3}{8}$ " wide,  $1\frac{1}{8}$ " thick.

- |           |             |                             |
|-----------|-------------|-----------------------------|
| 58 E—42". | Code KEG.   | Weight, each, 2 lbs. 3 ozs. |
| 48".      | Code KOD.   | Weight, each, 2 lbs. 7 ozs. |
| 59 E—42". | Code KAVAR. | Weight, each, 2 lbs. 4 ozs. |
| 48".      | Code KAVAD. | Weight, each, 2 lbs. 8 ozs. |

Packed one in a box.

*for extreme accuracy*

# Empire Brick Mason's Level

Laminated

**62 E**  
**5 Piece**

**63 E**  
**3 Piece**

**T**HE frame of the five piece level is built up of Walnut, Pine and Mahogany, held together by water-proof glue. The outer layers are Mahogany, the center Walnut, and the intermediate layers are Pine.

The 3 piece level consists of a pine center with  $\frac{5}{8}$ " mahogany edges.

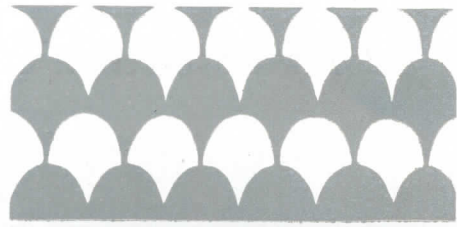


The vials are set solid and are covered by protecting glasses. The ends are protected by lipped aluminum plates. The shape of the finger grips, and the position of the sights has been carefully designed to assure convenient reading and handling.

This level combines exceptional durability and appearance with light weight. The natural finish is protected by a final coat of water proof varnish. Frame section  $2\frac{3}{8}$ "x $1\frac{1}{8}$ ".

|                |             |                             |
|----------------|-------------|-----------------------------|
| 62 E—Size 42". | Code HALES. | Weight, each, 2 lbs. 4 ozs. |
| Size 48".      | Code HIMUS. | Weight, each, 2 lbs. 8 ozs. |
| 63 E—Size 42". | Code DACE.  | Weight, each, 1 lb. 14 ozs. |
| Size 48".      | Code DAFT.  | Weight, each, 2 lbs. 2 ozs. |

Packed one in a box.



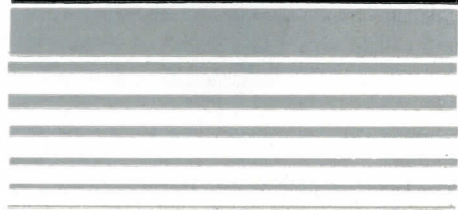
TORPEDO LEVELS

LINE LEVELS

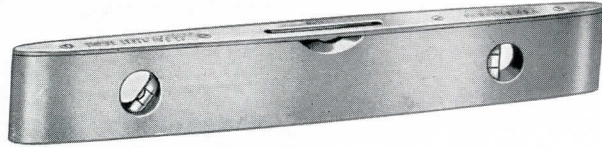
LEVEL PARTS

AND

SPECIALTIES



## Aluminum Torpedo Level



### 26 E

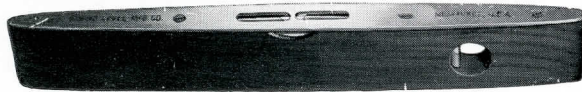
**D**IE Cast Aluminum, Shell type construction. Bottom and ends reinforced. Length 9". Width  $\frac{5}{8}$ ". Height  $1\frac{1}{4}$ ". One plumb, one level and one 45-degree vial. Top plate removable. Bottom fitted with groove for use on shafting. All vials filled with colored fluid and carefully marked for distinct reading. Top plate polished, satin finished sides.

A pocket size all-purpose level, of great convenience, which can be used by all mechanics who have occasion to use a level. The grooved bottom allows it to be used on shafting or pipes. The 45-degree glass makes it extremely useful for the Bricklayer for laying out herringbone panels, etc. The combination of an accurate plumb and level glass in such a convenient size, with the added features of grooved bottom and 45-degree glass, gives this tool a very wide range of usefulness.

Packed six on a 3-color card for wall or counter display, or six in a box.  
(see last page)

Code TOREL. Weight, each, 4 ozs.

## Mahogany Torpedo Level



### 44 E

**T**HIS striking tool fills a very definite demand for a level that can be easily carried around in a workman's pocket. All sharp edges are eliminated by its torpedo shape. It contains one level and one plumb glass. It is nine inches in length and is made from fine grade Mahogany with a lustrous varnish finish; the top is fitted with an aluminum plate.

The Empire Torpedo Level is in every way a high quality tool.

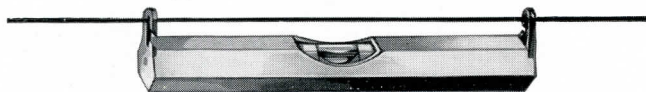
These levels are packed in a neat counter display box containing six levels.

Size 9". Code FINER. Weight, each, 3 ozs.

26-44E, 3 each, 26E and 44E mounted on display card, packed in fibre box.  
(see last page)

Code TORPE. Weight, each,  $2\frac{3}{4}$  lbs.

## Empire Line Level



**25 E**

**T**HIS handy level is made of hexagonal aluminum tubing. It is three inches long, three-eighths inches in diameter and weighs but one-half ounce. The end hooks are designed so that level will not fall off line when it is swayed and the flat bottom makes it adaptable for leveling plain surfaces. A proved level glass with colored fluid provides distinct reading.

**Code LITE. Weight, each,  $\frac{1}{2}$  oz.**

Packed one in a box, or 12 on display card shown on page 36.

## Empire Pocket Level



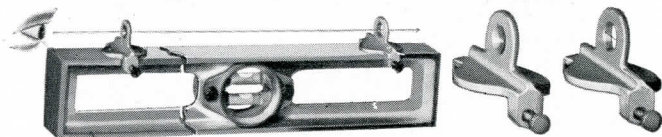
**24 E**

**T**HIS small level is made of hexagon aluminum tubing fully polished. It is light and convenient and can be easily carried in a vest pocket. The proved vial with yellow liquid is set very accurately. It can also be used very conveniently as an attachment for machines where accuracy is demanded and space is at a premium.

**Code LIZET. Length, 3". Weight, each,  $\frac{1}{2}$  oz.**

Packed six in a box.

## Empire Level Sights



**30 E**

**T**HESE Level Sights are designed to be used on any Empire Level, excluding the pocket levels. They are cast of aluminum and accurately machined to obtain the same center distance in each part. By the use of these sights, an object or point of considerable distance away can be conveniently and accurately leveled in relation to a given point. The sights are easily detached when not in use, and their small size enables the user to pack them in a small and convenient space.

**Code HAT. Weight, per set, 1 ounce.**

Packed one set in a box.

## Empire Straight Edge Case

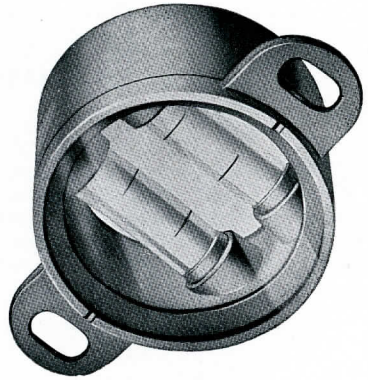
TWO GLASS

**82 E**

**T**HIS case can be very easily set into a straight edge. It is only necessary to bore a  $1\frac{3}{4}$ " hole through the stock, slip in the case and fasten same by wood screws through the slotted ears which have sufficient play for making the adjustment. The double glasses enable the straight edge to be used on either edge. The case is sealed from dust and moisture by heavy cover glasses.

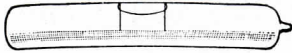
**Code TRUTH. Weight, each, 3 ounces.**

Packed one in a box.



## Empire Level Glasses

Proved



Ground



**O**UR Proved Level Glasses are drawn from heavy leaded tubing. This insures a strong flexible glass which is necessary to absorb the many shocks imposed on a level. By an improved method the crown of the glass is made uniform throughout its length, and it is just sufficient to stabilize the bubble, as too much crown contributes to slow action. The marks are automatically ground into the glass on the exact top of the crown by special equipment. To insure easy reading the marks are black and of medium weight. For very sensitive work we recommend the ground vial which can be fitted into our adjustable levels by substituting vial cases with ground glasses. The internal surface of these vials are hollow ground to form a near frictionless surface as well as the arch that is necessary to stabilize the bubble. The marks are finely etched to precisely indicate the position of the bubble.

**No. 13E—Proved Vials—Individual sizes from  $\frac{3}{4}$ " to 4".**

**No. 14E—Ground Vials—Lengths  $1\frac{1}{4}$ ",  $1\frac{1}{2}$ " and 2".**

All Vials packed 1 dozen in a box.

## Protecting Lenses

These are accurately cut from a good grade of heavy glass.

**No. 150E— $1\frac{1}{2}$ " Round—For Stationary Aluminum and Mason Levels. Code ROSET.**

**No. 160E— $1\frac{5}{8}$ " Round—For Adjustable Aluminum and 12" to 28" Wood Levels. Code ROMAN.**

**No. 170E—Oblong—For all oblong sight levels. Code ROKET.**

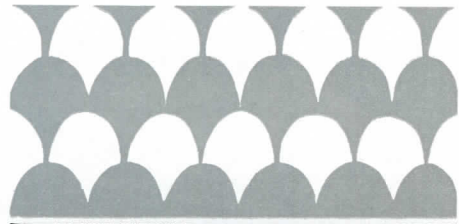
Packed one dozen in a box.

## Aluminum Rings

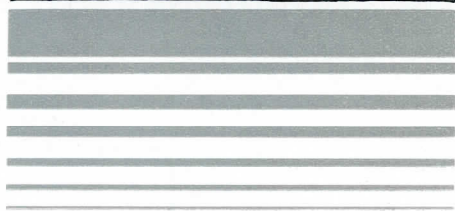
These rings fit over the protecting glasses to prevent cement from breaking loose. They also improve the appearance of the level.

**No. 181E—Round. Code RODER. No. 182E—Oblong. Code RUTER**

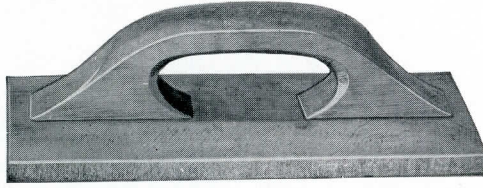
Packed one dozen in a box.



**HAWKS  
FLOATS  
PADDLES  
DARBIES  
AND  
TOOL BAGS**



## Cross Grained Float



**72 E**

**A**N unexcelled tool for floating fine cement work. The cross grained base is made of the best selected White Pine and is constructed so that it will not warp. The handle is carefully shaped and securely keyed to the base of the float by a wedge shaped panel strip, the grain of which is opposite to that of the float proper.

**Size 4½"x11". Code LAMP. Weight, per dozen, 11 lbs.**  
Packed two dozen in a case.

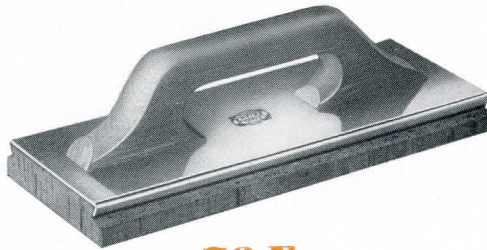
## Standard Wood Float

**73 E**

**T**HIS float is made to meet the demand for a cheaper tool than the Cross Grained Float. It is identical in appearance, but it lacks the panel strip and the Cross Grained feature.

**Size 4½"x11". Code LAME. Weight, per dozen, 11 lbs.**  
Packed two dozen in a case.

## Renewable Cork Float

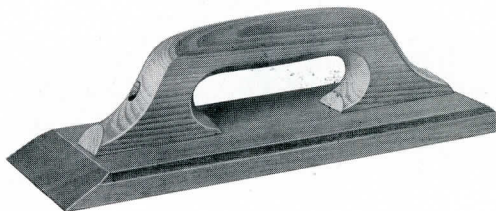


**76 E**

**T**HIS extremely unusual tool has very long life because the lower section can be replaced after it has worn away. The upper section consists of a conveniently shaped handle which is securely fastened to an aluminum base. The base is turned on the side edges to hold the cork bottom secure. The cork can be renewed as frequently as necessary by sliding in a new insert.

**Size 4½"x12". Code FLAP. Weight, each, 13 ounces.**  
**No. 77E. Extra Inserts. Code FAKE. Weight, each, 7 ounces.**  
Above packed six in a box.

## Mahogany Angle Float



**795 E**

**T**HIS is a very useful tool for the plasterer. It serves the purpose of the ordinary wood-float and paddle. The handle is carefully shaped. The base is mahogany but the handle is pine. Size of base 4" x 11".

**Code LASSO. Weight, per dozen, 11 lbs.**

Packed two dozen in a carton.

## Pine Angle Float

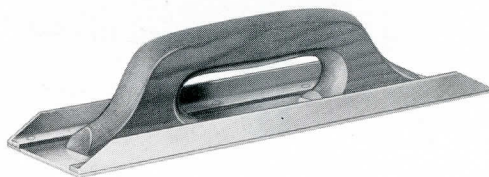
**79 E**

This float is the same design and construction as No. 795E illustrated above, however the base is pine instead of mahogany. It is also lower in price.

**Code LATIN. Weight, per dozen, 10 lbs.**

Packed two dozen in a carton.

## Aluminum Angle Float



**93 E**

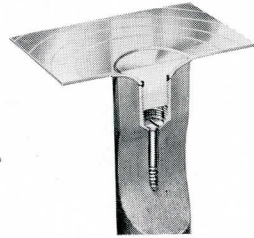
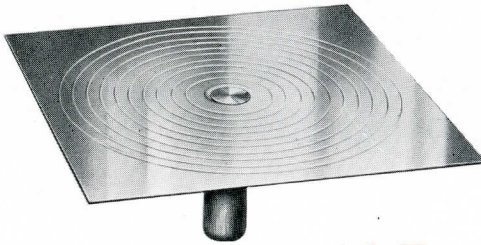
**U**NEXCELLED for smooth plaster finish. An angle float specifically and scientifically constructed to fill a definite need. The comfortable hand-shaped grip and the correct angle of construction insures greater ease and an increased efficiency in work. The base is 4"x11" Aluminum Sheet with  $\frac{5}{8}$ " Aluminum angle riveted to edges.

**Code LARVA. Weight, each, 10 ounces.**

Packed one-half dozen in a box.

## Empire Aluminum Hawks

PATENT APPLIED FOR



**70 E**

**T**HIS distinctive tool is surprisingly light, yet unusually strong. By the use of a special stud made of aluminum alloy, the usual rivets, flange and carriage bolt are eliminated. The handle is fitted with a strong ferrule, which screws on the stud. The threaded parts are unusually large to prevent stripping. The edge of the countersink in the face of the Hawk which receives the aluminum stud will not corrode from the chemical action of plaster, as stud and plate are of the same material. The face of the Hawk has deep scoring to prevent mortar from sliding. The detachable handle is also supplied with a soft sponge rubber callus protector.

|                 |            |                       |
|-----------------|------------|-----------------------|
| Size 13" x13".  | Code WASP. | Weight, each, 23 ozs. |
| Size 13½"x13½". | Code WISE. | Weight, each, 25 ozs. |
| Size 14" x14".  | Code WELT. | Weight, each, 28 ozs. |

Packed one-half dozen in a box.

## Empire Wood Hawks



**71 E**  
**Redwood**

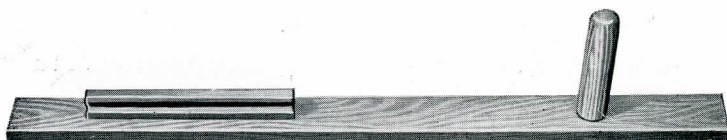
**715 E**  
**White Pine**

**K**KNOWN throughout the trade as a high grade Wood Hawk. The handle is wood fitted with a bolt that screws into an aluminum stud which sets flush with the base of the hawk. This prevents handle from working loose but makes it detachable. To prevent warping, this Hawk is provided with a wedge shaped panel strip set directly opposite to the grain of the base proper.

|       |                 |            |                             |
|-------|-----------------|------------|-----------------------------|
| 71E.  | Size 13½"x13½". | Code WAKE. | Weight, each, 2 lbs. 2 ozs. |
| 715E. | Size 13½"x13½". | Code WANE. | Weight, each, 2 lbs. 4 ozs. |

Packed one dozen in a case.

## Empire Darbies



**74 E**

**E**MPIRE Darbies are of durable construction. Seasoned Northern Cork White Pine, free from sap, is used for the base. Durability is increased by soaking in linseed oil. Handles are securely fastened to the base and will not loosen.

Size  $3\frac{1}{2}'' \times 42''$ . Code **DRAKE**. Weight, per dozen, 15 lbs.

Open stock.

**745 E**

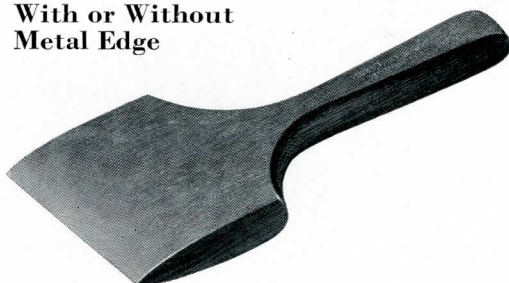
Same as above but with detachable handle which is fastened by bolt and countersunk aluminum threaded disk, same as used on our Wood Hawk. Handle cannot possibly come loose.

Code **DIMEL**. Weight, per dozen, 15 lbs.

Open stock.

## Empire Plasterer's Paddles

**With or Without  
Metal Edge**



**A** CONVENIENT tool, carefully shaped for reaching into the hard-to-get-at corners. Light in weight with an easy grip handle. Metal edge is of hard steel with round edge. Dipped in linseed oil to increase durability.

**90E. Pine with Metal Edge. Code PANIC. Weight, per dozen,  $2\frac{1}{4}$  lbs.**

**91E. Walnut Code PASSE. Weight, per dozen,  $2\frac{3}{4}$  lbs.**

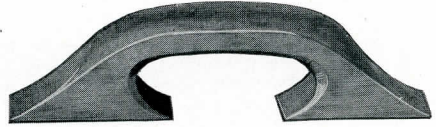
**92E. Walnut with Metal Edge. Code PATTY. Weight, per dozen,  $3\frac{1}{4}$  lbs.**

Packed one dozen in a box.

## Empire Float Handles

**75 E**

**T**HIS handle is identical to the handle used on our Standard and Cross Grained Floats. The ends are drilled to accommodate a wood screw.

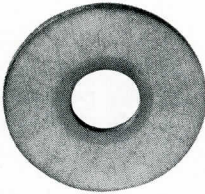


**Code DEEP. Weight, per dozen, 3 lbs. 6 ozs.**

Open stock.

## Callus Protectors for Hawks

**78 E**



**T**HESE pads are made to slip over the Hawk handle against the body of the Hawk. They are cut from sponge rubber to serve as a soft and pliable cushion for the protection of the hand.

**Code DIPER. Weight, per dozen, 8 ounces.**

Open stock.

## Empire Craftsman Tool Bag

**5000 E**

**M**ADE from one piece No. 4 Olive Drab duck, riveted to heavy steel frame. Leather welt seams that cannot rip. Bottom of two thicknesses of duck, reinforced with heavy binder-board. Heavy steel studs on bottom. Real leather corners, straps and handles. Two large inside pockets. Lock and Key. Heavy adjustable web shoulder-strap also included. Leather handles and straps are carefully selected for strength and appearance. All



lengths. Suitable for Plumbers, Electricians, Lathers, Bricklayers, Stonecutters and Tile Setters. 8" wide, 10" high.

Length 16" Wt., Ea. 3¼ lbs.  
Code VASET

Length 18" Wt., Ea. 3½ lbs.  
Code VOSON

Length 20" Wt., Ea. 4 lbs.  
Code VIKER

Packed 8 in a carton.

## Leather Bottom Mason's Bag

**2000 E**



Made from one-piece No. 10 White Duck (not ounce Duck). Canvas riveted to heavy steel frame. Bottom of two thicknesses of Duck, reinforced with heavy binder-board. Heavy leather covering bottom and sides of bag where the wear comes. Heavy steel studs on bottom. Leather welt seams that cannot rip. Large inside pocket. Lock and Key. Used by masons, electricians, linemen, plumbers, millwrights, and other mechanics. They are also used as mail bags by larger business and industrial plants.. All sizes 5½" wide.

| Length | Height | Code  | Wt. per doz. | Length | Height | Code  | Wt. per doz. |
|--------|--------|-------|--------------|--------|--------|-------|--------------|
| 12"    | 10½"   | BEKET | 28 lbs.      | 18"    | 15½"   | BESON | 40 lbs.      |
| 14"    | 13½"   | BEMIS | 30 lbs.      | 20"    | 15½"   | BIXOM | 43 lbs.      |
| 16"    | 13½"   | BENTL | 32 lbs.      | 22"    | 15½"   | BASAL | 46 lbs.      |
|        |        |       |              | 24"    | 15½"   | BONEL | 48 lbs.      |

Packed 12 in a carton.

## Plain Mason's Bag

**1000 E**

Made from one-piece No. 10 White Duck (not ounce Duck). Canvas riveted to heavy steel frame. Bottom of two thicknesses of Duck, reinforced with heavy binder-board. Heavy steel studs on bottom. Leather welt seams that cannot rip. Large inside pocket. Lock and Key. All sizes 5½" wide.



| Length | Height | Code | Wt per doz. |
|--------|--------|------|-------------|
| 12"    | 10½"   | BAZ  | 23 lbs.     |
| 14"    | 13½"   | BAM  | 27 lbs.     |
| 16"    | 13½"   | BIT  | 30 lbs.     |
| 18"    | 15½"   | BEN  | 34 lbs.     |
| 20"    | 15½"   | BOK  | 39 lbs.     |
| 22"    | 15½"   | BUB  | 42 lbs.     |
| 24"    | 15½"   | BUZ  | 45 lbs.     |

**3000 E**

Same as No. 1000, but made from No. 6 Duck. Extra heavy canvas woven from long staple cotton.

| Length | Height | Code   | Wt. per doz. | Length | Height | Code  | Wt. per doz. |
|--------|--------|--------|--------------|--------|--------|-------|--------------|
| 12"    | 10½"   | GASTON | 25 lbs.      | 18"    | 15½"   | GAPUS | 38 lbs.      |
| 14"    | 13½"   | GANEL  | 29 lbs.      | 20"    | 15½"   | GIMET | 44 lbs.      |
| 16"    | 13½"   | GATIS  | 34 lbs.      | 22"    | 15½"   | GEZOM | 46 lbs.      |
|        |        |        |              | 24"    | 15½"   | GOYER | 49 lbs.      |

Above packed 12 in a carton.

# Display Empire Levels

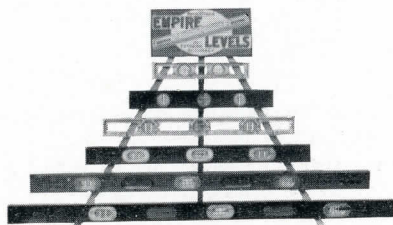
*They Are Splendid  
Business Builders!*



**E**VERY ENTERPRISING merchant knows the value of selling "lively" merchandise—the kind that people talk about, ask for and demand. Empire Levels actually create sales! The attractive, finished appearance and the obviously high class workmanship that is a part of Empire Levels makes an instant hit with the workman. Dealers who display their levels create level business.

Don't hide your Empire Levels away under the counters. They make a surprisingly attractive and profitable display. Empire display material, some of which is illustrated on this page, is available without charge to Empire Authorized Dealers. Some of our smaller levels are packed on attractive display cards or in special display boxes, which require little space but create many sales.

Detailed information of our complete advertising and selling service will be mailed on request.







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